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(54) PRODUCTION OF GRANULAR DETERGENT HAVING HIGH BULK DENSITY

(57)Abstract:

PURPOSE: To enable uniformity of particle diameter of detergent and control of bulk density and make equipment therefor compact by classifying and sieving powdered particles of detergent composition, subjecting the fine powder side to primary granulation and then mixing the resultant granule with the crude powder side and then the mixture to secondary granulation.

CONSTITUTION: A detergent composition, preferably powdered using powdering assistant is classified and sieved into 15-85 pts.wt. (preferably 30-70 pts.wt.) fine powder and 85-15 pts.wt. (preferably 70-30 pts.wt.) crude powder. Then the fine powder side is subjected to primary granulation, preferably in the presence of a binder by rolling, stirring and granulation and then mixed with the crude powder side and preferably surface modifier is added thereto and the mixture is subjected to secondary granulation to provide granular detergent having high bulk density.

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